

Page 30, line 10, after "state" insert --(NON_RESP)--;
line 20, insert --F-- after "frequency"; and
line 23, insert --F-- after "frequency".

Page 31, line 16, after "credit indication" insert --code D
indicating a dedicated channel at frequency F--.

IN THE CLAIMS

Please add the following new claims 26-32:

Two every
1 *Sub C2* 26 In a full-duplex asymmetric network communication
2 system for transferring information between a host server and a
3 plurality of remote clients over a shared medium and wherein said
4 remote clients include respective remote link adapters for
5 receiving high speed downstream information from said host server
6 over said shared medium and for transmitting lower speed return
7 information over an upstream channel, and wherein said network
8 communication system includes a hybrid access system for providing
9 interactive network sessions in downstream and upstream
10 communication channels,
11 a method of transmitting data from an
12 upstream transmit queue in an upstream transmitter node to a
13 selected receiver node located at a receiving end, said method
14 comprising the steps of:

15 transmitting selected amounts of packet data from a transmit 16
16 queue in said transmitter node to said receiver node wherein said
17 receiver node includes a ^{receiver node} transmit queue for transmitting
18 acknowledgments to a transmitter node,

19 generating acknowledgments of packet data received by said
20 receiver node,

21 eliminating from the transmit queue of the receiver node
22 packet data acknowledgments which are redundant of other packet
23 data acknowledgments in said ^{receiver node} (second) transmit queue, and

24 filling open transmit queue spaces with additional packet
25 data.

26
27. In a full-duplex asymmetric network communication
28 system for transferring information between a host server and a
29 plurality of remote clients over a shared medium and wherein said
30 remote clients include respective remote link adapters for
31 receiving high speed downstream information from said host server
32 over said shared medium and for transmitting lower speed return
33 information over an upstream channel, and wherein said network
34 communication system includes a hybrid access system for providing
35 interactive network sessions in downstream and upstream
36 communication channels,

37 a method of reducing upstream data

12 transmission, the method comprising the steps of:

13 at a receiver node having a transmit queue,

14 (a) receiving a data packet from an upstream transmitter;

15 (b) generating an acknowledge packet indicating receipt of
16 all data packets in a sequence of packets up to and including ^{the} said
17 received data packet;

18 (c) inserting said acknowledge packet into said transmit
19 queue; and

20 (d) removing from said transmit queue redundant acknowledge
21 packets.

22 28. ^{The} A method as in claim 27 further comprising the step of

23 (e) filling open transmit queue spaces with additional data
24 packets.

c 1 29. ⁵ ~~A~~ ^{The} method as in claim 27 wherein said received data
2 packet is one of a plurality of data packets which comprise a
3 stream of data items, wherein each data packet includes a
4 consecutive sequence of some of said data items and wherein each
5 data packet contains an indication of the last data item of said
6 stream of data items which said data packet contains.

c 1 ~~30.~~ ^{4/ the} A method as in claim ~~29~~ ⁵ wherein said indication
2 associated with each data packet is contained in a header for that
3 data packet.

2/ 3/ 4/ 5/ 6/ 7/ 8/ 1 ~~31.~~ A method as in claim 30 wherein said step of generating
2 comprises the step of:
3 obtaining the header from said received data packet, and
4 wherein said step of removing redundant acknowledge packets
5 comprises the step of:
6 comparing the header of the received data packet with headers
7 in the transmit queue.

8/ ~~32.~~ ⁶ A method as in claim ~~30~~ wherein said header is a TCP
header.--

REMARKS

By preliminary amendment to be entered before fee calculation, claims 1-16 and 18-25 were cancelled without prejudice or disclaimer. New claims 26 through 32 are added by this amendment.

Note that along with the original application and drawings as filed in the parent case are a new Power of Attorney from Assignee